

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6536852

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZIHAO WANG	07/22/2020
WANG LIANG	07/22/2020
RUCHIR ASTAVANS	07/23/2020
JUSTIN JIA-ZHAO LIM	07/22/2020
WENAO ZHENG	07/22/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BYTEDANCE INC.
<b>Street Address:</b>	12655 WEST JEFFERSON BOULEVARD
<b>Internal Address:</b>	SIXTH FLOOR, SUITE NO. 137
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90066
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16939489
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2155683100
<b>Email:</b>	intlpatents@bakerlaw.com
<b>Correspondent Name:</b>	BAKER & HOSTETLER
<b>Address Line 1:</b>	2929 ARCH STREET
<b>Address Line 2:</b>	CIRA CENTRE, 12TH FLOOR
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19104
<b>ATTORNEY DOCKET NUMBER:</b>	119176.000001
<b>NAME OF SUBMITTER:</b>	AIQING WANG
<b>SIGNATURE:</b>	/Aiqing Wang/
<b>DATE SIGNED:</b>	02/05/2021

**Total Attachments: 25**

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Application No.:  
Docket No.: 119176.000001

## COMBINED DECLARATION AND ASSIGNMENT

### ASSIGNMENT

**Assignor(s):**

- 1) Zihao WANG
- 2) Wang LIANG
- 3) Ruchir ASTAVANS
- 4) Justin Jia-Zhao LIM
- 5) Wentao ZHENG

**Address:**

12655 West Jefferson Boulevard  
Sixth Floor, Suite No. 137  
Los Angeles, California 90066  
United States of America

WHEREAS, ASSIGNOR(S) (listed above), are inventor(s) of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **119176.000001** (“the invention”), entitled **CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE** (“the subject application). We authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **BYTEDANCE INC.**, ASSIGNEE, having a place of business at **12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California 90066, United States of America**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors’ certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and

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continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	<b>CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE</b>
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As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

- the attached application, or  
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The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

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Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

\_\_\_\_\_  
**Zihao WANG**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wang LIANG**

\_\_\_\_\_  
**Date**

  
\_\_\_\_\_  
**Ruchir ASTAVANS**

7/23/2020  
\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Justin Jia-Zhao LIM**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wentao ZHENG**

\_\_\_\_\_  
**Date**

Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

\*\*\*\*\*

The foregoing Combined Declaration and Assignment covers patent application number  
\_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:  
Registration No.:  
Date of Insertion:

Application No.:  
Docket No.: 119176.000001

## COMBINED DECLARATION AND ASSIGNMENT

### ASSIGNMENT

**Assignor(s):**

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- 2) Wang LIANG
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- 4) Justin Jia-Zhao LIM
- 5) Wentao ZHENG

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NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors’ certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and



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continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	<b>CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE</b>
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As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

- the attached application, or  
 United States application or PCT international application number \_\_\_\_\_, filed \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

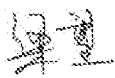
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Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

\_\_\_\_\_  
**Zihao WANG**

\_\_\_\_\_  
**Date**



\_\_\_\_\_  
**Wang LIANG**

\_\_\_\_\_  
Jul 22, 2020

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Ruchir ASTAVANS**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Justin Jia-Zhao LIM**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wentao ZHENG**

\_\_\_\_\_  
**Date**

Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

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\_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:  
Registration No.:  
Date of Insertion:

Application No.:  
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## COMBINED DECLARATION AND ASSIGNMENT

### ASSIGNMENT

**Assignor(s):**

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<b>Title of Invention</b>	<b>CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE</b>
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Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

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**Zihao WANG**

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**Date**

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**Wang LIANG**

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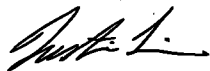
**Date**

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**Ruchir ASTAVANS**

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**Date**



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**Justin Jia-Zhao LIM**

07/22/2020

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**Date**

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**Wentao ZHENG**

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**Date**



Application No.:  
Docket No.: 119176.000001

COMBINED DECLARATION AND ASSIGNMENT

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The foregoing Combined Declaration and Assignment covers patent application number \_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:  
Registration No.:  
Date of Insertion:

Application No.:  
Docket No.: 119176.000001

## COMBINED DECLARATION AND ASSIGNMENT

### ASSIGNMENT

**Assignor(s):**

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\_\_\_\_\_  
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WHEREAS, ASSIGNOR(S) (listed above), are inventor(s) of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **119176.000001** (“the invention”), entitled **CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE** (“the subject application). We authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, **BYTEDANCE INC.**, ASSIGNEE, having a place of business at **12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California 90066, United States of America**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors’ certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and

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### COMBINED DECLARATION AND ASSIGNMENT

continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to ASSIGNOR(S) respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.



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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	<b>CATEGORIZING CONVERSATIONS FOR A MESSAGING SERVICE</b>
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As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

- the attached application, or  
 United States application or PCT international application number \_\_\_\_\_, filed \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

**Notice to Inventor(s):** A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

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COMBINED DECLARATION AND ASSIGNMENT



\_\_\_\_\_  
**Zihao WANG**

07/22/2020

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wang LIANG**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Ruchir ASTAVANS**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Justin Jia-Zhao LIM**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wentao ZHENG**

\_\_\_\_\_  
**Date**

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COMBINED DECLARATION AND ASSIGNMENT

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The foregoing Combined Declaration and Assignment covers patent application number  
\_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:  
Registration No.:  
Date of Insertion: